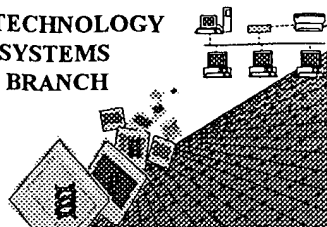


n/a

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



1153
#17
Raw Sequence
1/10/03

RECEIVED

NOV 26 2002

TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/601,965B
Source: 1600 REISH
Date Processed by STIC: 11/21/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



1600

RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:09

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\11212002\I601965B.raw

3 <110> APPLICANT: Thompson, M. Craig
 4 Long, Fan
 5 Wobbe, C. Richard
 7 <120> TITLE OF INVENTION: A NOVEL FUNGAL MULTISUBUNIT PROTEIN
 8 COMPLEX CRITICAL FOR EXPRESSION OF FUNGAL PROTEINS
 10 <130> FILE REFERENCE: 0342/1D516US2
 12 <140> CURRENT APPLICATION NUMBER: US 09/601,965B
 13 <141> CURRENT FILING DATE: 2000-10-20
 15 <150> PRIOR APPLICATION NUMBER: PCT/US99/02940
 16 <151> PRIOR FILING DATE: 1999-02-08
 18 <150> PRIOR APPLICATION NUMBER: 60/074,100
 19 <151> PRIOR FILING DATE: 1998-02-09
 21 <160> NUMBER OF SEQ ID NOS: 32
 23 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

1410 <210> SEQ ID NO: 22
 1411 <211> LENGTH: 0
 1412 <212> TYPE: DNA
 1413 <213> ORGANISM: Homo sapiens
 1415 <400> SEQUENCE: 22

1234 shown (p.4)
incorrect
this sequence is a PRT sequence
Does Not Comply
Corrected Diskette Needed

1416 Met Gly Pro Gly Cys Asp Leu Leu Leu Arg Thr Ala Ala Thr Ile Thr
 1417 1 5 10 15
 1418 Ala Ala Ala Ile Met Ser Asp Thr Asp Ser Asp Glu Asp Ser Ala Gly
 1419 20 25 30
 1420 Gly Gly Pro Phe Ser Leu Ala Gly Phe Leu Phe Gly Asn Ile Asn Gly
 1421 35 40 45
 1422 Ala Gly Gln Leu Glu Gly Glu Ser Val Leu Asp Asp Glu Cys Lys Lys
 1423 50 55 60
 1424 His Leu Ala Gly Leu Gly Ala Leu Gly Leu Gly Ser Leu Ile Thr Glu
 1425 65 70 75 80
 1426 Leu Thr Ala Asn Glu Glu Leu Thr Gly Thr Asp Gly Ala Leu Val Asn
 1427 85 90 95
 1428 Asp Glu Gly Trp Val Arg Ser Thr Glu Asp Ala Val Asp Tyr Ser Asp
 1429 100 105 110
 1430 Ile Asn Glu Val Ala Glu Asp Glu Ser Arg Arg Tyr Gln Gln Thr Met
 1431 115 120 125
 1432 Gly Ser Leu Gln Pro Leu Cys His Ser Asp Tyr Asp Glu Asp Asp Tyr
 1433 130 135 140
 1434 Asp Ala Asp Cys Glu Asp Ile Asp Cys Lys Leu Met Pro Pro Pro Pro
 1435 145 150 155 160

RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:09

Input Set : A:\Sequence Listing (ASCII copy).txt

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```

1436 Pro Pro Pro Gly Pro Met Lys Lys Asp Lys Asp Gln Asp Ser Ile Thr
1437          165          170          175
1438 Gly Glu Lys Val Asp Phe Ser Ser Ser Ser Asp Ser Glu Ser Glu Met
1439          180          185          190
1440 Gly Pro Gln Glu Ala Thr Gln Ala Glu Ser Glu Asp Gly Lys Leu Thr
1441          195          200          205
1442 Leu Pro Leu Ala Gly Ile Met Gln His Asp Ala Thr Lys Leu Leu Pro
1443          210          215          220
1444 Ser Val Thr Glu Leu Phe Pro Glu Phe Arg Pro Gly Lys Val Leu Arg
1445          225          230          235          240
1446 Phe Leu Arg Leu Phe Gly Pro Gly Lys Asn Val Pro Ser Val Trp Arg
1447          245          250          255
1448 Ser Ala Arg Arg Lys Arg Lys Lys Lys His Arg Glu Leu Ile Gln Glu
1449          260          265          270
1450 Glu Gln Ile Gln Glu Val Glu Cys Ser Val Glu Ser Glu Val Ser Gln
1451          275          280          285
1452 Lys Ser Leu Trp Asn Tyr Asp Tyr Ala Pro Pro Pro Pro Pro Glu Gln
1453          290          295          300
1454 Cys Leu Ser Asp Asp Glu Ile Thr Met Met Ala Pro Val Glu Ser Lys
1455          305          310          315          320
1456 Phe Ser Gln Ser Thr Gly Asp Ile Asp Lys Val Thr Asp Thr Lys Pro
1457          325          330          335
1458 Arg Val Ala Glu Trp Arg Tyr Gly Pro Ala Arg Leu Trp Tyr Asp Met
1459          340          345          350
1460 Leu Gly Val Pro Glu Asp Gly Ser Gly Phe Asp Tyr Gly Phe Lys Leu
1461          355          360          365
1462 Arg Lys Thr Glu His Glu Pro Val Ile Lys Ser Arg Met Ile Glu Glu
1463          370          375          380
1464 Phe Arg Lys Leu Glu Glu Asn Asn Gly Thr Asp Leu Leu Ala Asp Glu
1465          385          390          395          400
1466 Asn Phe Leu Met Val Thr Gln Leu His Trp Glu Asp Asp Ile Ile Trp
1467          405          410          415
1468 Asp Gly Glu Asp Val Lys His Lys Gly Thr Lys Pro Gln Arg Ala Ser
1469          420          425          430
1470 Leu Ala Gly Trp Leu Pro Ser Ser Met Thr Arg Asn Ala Met Ala Tyr
1471          435          440          445
1472 Asn Val Gln Gln Gly Phe Ala Ala Thr Leu Asp Asp Lys Pro Trp
1473          450          455          460
1474 Tyr Ser Ile Phe Pro Ile Asp Asn Glu Asp Leu Val Tyr Gly Arg Trp
1475          465          470          475          480
1476 Glu Asp Asn Ile Ile Trp Asp Ala Gln Ala Met Pro Arg Leu Leu Glu
1477          485          490          495
1478 Pro Pro Val Leu Thr Leu Asp Pro Asn Asp Glu Asn Leu Ile Leu Glu
1479          500          505          510
1480 Ile Pro Asp Glu Lys Glu Glu Ala Thr Ser Asn Ser Pro Ser Lys Glu
1481          515          520          525
1482 Ser Lys Lys Glu Ser Ser Leu Lys Lys Ser Arg Ile Leu Leu Gly Lys
1483          530          535          540
1484 Thr Gly Val Ile Lys Glu Glu Pro Gln Gln Asn Met Ser Gln Pro Glu

```

RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:09

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\11212002\I601965B.raw

1485	545		550		555		560
1486	Val	Lys	Asp	Pro	Trp	Asn	Leu
1487					565		570
1488	Gln	Gln	Gly	Leu	Arg	Gly	Thr
1489				580		585	
1490	Ile	Pro	Ala	Val	Glu	Leu	Arg
1491			595			600	
1492	Pro	Ile	Lys	Leu	Arg	Gln	Phe
1493		610				615	
1494	Phe	Gly	Ala	Leu	Ser	Gln	Pro
1495	625				630		635
1496	Lys	His	Ile	Lys	Lys	Lys	Ala
1497				645		650	
1498	Ser	Gly	Gly	Gly	Glu	Met	Phe
1499			660			665	
1500	Gly	Lys	Asp	Gly	Asp	Leu	Ile
1501			675			680	
1502	Pro	Leu	Met	Met	Gln	Val	Gly
1503		690				695	
1504	Lys	Arg	Lys	Pro	Gly	Lys	Asp
1505	705				710		715
1506	Glu	Thr	Val	Tyr	Cys	His	Thr
1507				725			730
1508	Gly	Gln	Leu	Leu	Gln	Ala	Phe
1509			740			745	
1510	Tyr	Leu	His	Lys	Met	Pro	Glu
1511			755			760	
1512	Gln	Gly	Tyr	Tyr	Ile	Arg	Glu
1513		770				775	
1514	Gln	Cys	Pro	Leu	Phe	Glu	Val
1515	785				790		795
1516	Thr	His	Ile	Arg	Asp	Phe	Leu
1517				805		810	
1518	Lys	Ser	Lys	Asp	Arg	Pro	Arg
1519			820			825	
1520	Ala	Phe	Pro	Ser	His	Ser	Glu
1521			835			840	
1522	Cys	Ala	Asp	Phe	Lys	Arg	Thr
1523		850				855	
1524	Lys	Ser	Asp	Phe	Arg	Leu	Pro
1525	865				870		875
1526	Ser	Pro	Glu	Gln	Cys	Cys	Ala
1527				885		890	
1528	Arg	Leu	Lys	Asp	Ala	Gly	Tyr
1529			900			905	
1530	Glu	Glu	Asn	Glu	Glu	Asp	Phe
1531			915			920	
1532	Thr	Ala	Pro	Trp	Asn	Thr	Thr
1533		930				935	

RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:09

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Output Set: N:\CRF4\11212002\I601965B.raw

```

1534 Lys Cys Leu Leu Glu Val Thr Gly Val Ala Asp Pro Thr Gly Cys Gly
1535 945 950 955 960
1536 Glu Gly Phe Ser Tyr Val Lys Ile Pro Asn Lys Pro Thr Gln Gln Lys
1537 965 970 975
1538 Asp Asp Lys Glu Pro Gln Pro Val Lys Lys Thr Val Thr Gly Thr Asp
1539 980 985 990
1540 Ala Asp Leu Arg Arg Leu Ser Leu Lys Asn Ala Lys Gln Leu Leu Arg
1541 995 1000 1005
1542 Lys Phe Gly Val Pro Glu Glu Glu Ile Lys Lys Leu Ser Arg Trp Glu
1543 1010 1015 1020
1544 Val Ile Asp Val Val Arg Thr Met Ser Thr Glu Gln Ala Arg Ser Gly
1545 1025 1030 1035 1040
1546 Glu Gly Pro Met Ser Lys Phe Ala Arg Gly Ser Arg Phe Ser Val Ala
1547 1045 1050 1055
1548 Glu His Gln Glu Arg Tyr Lys Glu Glu Cys Gln Arg Ile Phe Asp Leu
1549 1060 1065 1070
1550 Gln Asn Lys Val Leu Ser Ser Thr Glu Val Leu Ser Thr Asp Thr Asp
1551 1075 1080 1085
1552 Ser Ser Ser Ala Glu Asp Ser Asp Phe Glu Glu Met Gly Lys Asn Ile
1553 1090 1095 1100
1554 Glu Asn Met Leu Gln Asn Lys Lys Thr Ser Ser Gln Leu Ser Arg Glu
1555 1105 1110 1115 1120
1556 Arg Glu Glu Gln Glu Arg Lys Glu Leu Gln Arg Met Leu Leu Ala Ala
1557 1125 1130 1135
1558 Gly Ser Ala Ala Ser Gly Asn Asn His Arg Asp Asp Asp Thr Ala Ser
1559 1140 1145 1150
1560 Val Thr Ser Leu Asn Ser Ser Ala Thr Gly Arg Cys Leu Lys Ile Tyr
1561 1155 1160 1165
1562 Arg Thr Phe Arg Asp Glu Glu Gly Lys Glu Tyr Val Arg Cys Glu Thr
1563 1170 1175 1180
1564 Val Arg Lys Pro Ala Val Ile Asp Ala Tyr Val Arg Ile Arg Thr Thr
1565 1185 1190 1195 1200
1566 Lys Asp Glu Glu Phe Ile Arg Lys Phe Ala Leu Phe Asp Glu Gln His
1567 1205 1210 1215
1568 Arg Glu Glu Met Arg Lys Glu Arg Arg Arg Ile Gln Glu Gln Leu Arg
1569 1220 1225 1230

```

E--> 1570 Arg Leu

VERIFICATION SUMMARY

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:10

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\11212002\I601965B.raw

L:1306 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:1307 M:283 W: Missing Blank Line separator, <220> field identifier
L:1314 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:12
L:1314 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12
L:1314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:1319 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:1320 M:283 W: Missing Blank Line separator, <220> field identifier
L:1331 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:1332 M:283 W: Missing Blank Line separator, <220> field identifier
L:1343 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:1344 M:283 W: Missing Blank Line separator, <220> field identifier
L:1351 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:15
L:1351 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:15
L:1351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:1356 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:1357 M:283 W: Missing Blank Line separator, <220> field identifier
L:1366 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:1367 M:283 W: Missing Blank Line separator, <220> field identifier
L:1376 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:1377 M:283 W: Missing Blank Line separator, <220> field identifier
L:1379 M:283 W: Missing Blank Line separator, <400> field identifier
L:1385 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:1386 M:283 W: Missing Blank Line separator, <220> field identifier
L:1388 M:283 W: Missing Blank Line separator, <400> field identifier
L:1394 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:1395 M:283 W: Missing Blank Line separator, <220> field identifier
L:1404 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:1405 M:283 W: Missing Blank Line separator, <220> field identifier
L:1407 M:283 W: Missing Blank Line separator, <400> field identifier
L:1570 M:301 E: (44) No Sequence Data was Shown, SEQ ID:22
L:1623 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:1624 M:283 W: Missing Blank Line separator, <220> field identifier
L:1633 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:1634 M:283 W: Missing Blank Line separator, <220> field identifier
L:1643 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:1644 M:283 W: Missing Blank Line separator, <220> field identifier
L:1653 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:1654 M:283 W: Missing Blank Line separator, <220> field identifier

VARIABLE LOCATION SUMMARY

DATE: 11/21/2002

PATENT APPLICATION: US/09/601,965B

TIME: 11:38:10

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\11212002\I601965B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:12; N Pos. 15

Seq#:15; N Pos. 12